Standards of Public Land Health Evaluation of 64050 MILNER LAKE Allotment [09/16/2010]

The Roswell Field Office conducted rangeland health assessments at 5 study sites within 64050 MILNER LAKE. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

Study Area or		UPLAND			BIOTIC		RIPARIAN		
Assessment Area	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet	Meets	Monitor an Indicator	Does Not Meet
64050-#3-F190	X			X			N/A		
64050-N EVERETT #1- F188 (*)	X			X			N/A		
64050-S EVERETT #2- F189	X			X			N/A		
64050-S EVERETT #3- N012	X			X			N/A		
64050-W EVERETT-N011 (*)	X			X			N/A		

The (*) indicates that the assessment had one or more indicator(s) rated moderate/extreme or extreme. These indicators are:

- Functional/Structural Groups
- Invasive Plants

These indicators by themselves are not enough to rate the site as not meeting a standard but may warrant future monitoring.

Twenty-two (22) indicators for Rangeland Health were evaluated for public land on Milner Lake, allotment #64050. Ten of these assessed soil site stability, 11 hydrologic function and 13 biotic integrity. These qualitative assessments in conjunction with quantitative information gathered from previous data collected on 6 trend plot locations within this allotment were utilized to make rangeland health determinations. Quantitative evaluations are performed by the Roswell Field

Office, which include some or all of the following: ground and vegetative cover and composition, production, frequency and ecological condition. These collections which were initiated in the late 1970's/early 1980's, are scheduled and conducted approximately every 5 years.

This allotment contains 4,775 acres of public land. The studies are located on one Loamy SD-3 site, one Gyp Upland SD-3 site, two Bottomland SD-3 sites and a Sandy SD-3 ecological site. The majority of the indicators were rated as "None to Slight" or "Slight to Moderate" degree of departure from the ecological site description. There are no riparian areas on the public land in this allotment. At each of the study locations, the indicator for Invasive Plants while rated as "Slight to Moderate" to "Moderate to Extreme due to the amount or encroaching mesquite, the team noted the level of mesquite or salt cedar. Mesquite has been treated in 1997 utilizing an herbicide application, however, a prescribed burn was not implemented and there are many standing dead plants still evident.

Recommendations: With the majority of the indicators falling in the "None to Slight" or "Slight to Moderate category, this allotment is rated as "Meeting" the standard for Rangeland Health. Continue the rangeland monitoring studies to insure proper stocking rates are maintained and that the perennial grass cover and good plant composition remains. The team strongly recommends that the entire allotment be mapped for mesquite and if feasible to implement a land treatment. Due to the intermingled land status, the team also recommends that coordination be done with other entities, such as the Natural Resource Conservation Service and the Soil and Water Conservation District, and the New Mexico State Land Office to complete the treatment across private, state leased lands and public lands.

RFO	Os Uplar	nd and Biotic Standa	rd Asses	sment Su	mma	ary W	orksheet	
		SITE 64	050-#3-F	190				
Legal L	and Desc	SWSE 29 0070S 0260E Meridian 13		Acre	eage	912		
	Ecosite	042CY006NM GYP UPLAND SD-3		Photo Ta	aken	Y		
V	Vatershed	13060003220 FILLMORE						
(Observers	TRAUTNER, MCGEE	Ol	oservation I	Date	09/02/	2010	
County So	oil Survey	NM644 CHAVES NORTH		Soil Var/Ta	ıxad			
Soil	Map Unit	HKD	Sc	oil Taxon N	ame	HOLL	HOLLOMEX	
Text	ture Class	NM644 L		Soil Pl		HOLLOMEX- GYPSUM LND- ALAMA		
Texture	Modifier	NM644 LOAM						
Obse Annual Pre	rved Avg cipitation			Observed Avg Growing Season Precipitation				
	A Annual cipitation		NOAA Growing Season Precipitation					
NOAA Av Pre	g Annual cipitation			A Avg Grov on Precipita	_			
	ances and imal Use:	Cattle use present, Oil &	deve	elopment				
Part 2. Attr	ibutes an	d Indicators						
				e from Ecol on/Ecologic			ce Areas	
Attribute	Indicator	rs	Extreme	Moderate to Extreme	Mod	derate	Slight to Moderate	None to Slight
S H	Rills							X
Comments:								
S H	Water Fl	ow Patterns						X
Comments:								
S H	Pedestals	s and/or Terracettes					X	
Comments:	some roo	ots almost exposed		<u>'</u>				
S H	Bare Gro	ound						X
Comments:								

S H	Gullies				X
Comments:					
S	Wind-scoured, Blowouts, and/or Deposition Areas				X
Comments:					
Н	Litter Movement				X
Comments:					
SHB	Soil Surface Resistance to Erosion				X
Comments:					
SHB	Soil Surface Loss or Degradation				X
Comments:					
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X
Comments:					
SHB	Compaction Layer			X	
Comments:	a large number of footprints from	"cattle" present			
В	Functional/Structural Groups				X
Comments:					
В	Plant Mortality/Decadence				X
Comments:					
Н В	Litter Amount		X		
Comments:	ecological description = 16%, this	site= 40%			'
В	Annual Production			X	
Comments:	annual production estimated at thi description says 800	s site to be approx	500#/acres, ec	cological s	site
В	Invasive Plants			X	
Comments:	broom snakeweed and mesquite n	oted here			
В	Reproductive Capability of Perennial Plants				X
Comments:					
S	Physical/Chemical/Biological Crusts				X
Comments:	biological crusts present on major	ity of gypsic soils			
В	Wildlife Habitat				X
Comments:		- 1 5			

В	Wildlife Populations		X
Comments:			
В	Special Status Species Habitat		
Comments:			
В	Special Status Species Populations		
Comments:			

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	2	8
Н	Hydrologic	0	0	1	2	8
В	Biotic	0	0	1	3	7

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	1	10
Biotic		0	1	10

Site Notes: Species noted here: blue grama, dropseed, bush muhly, 4-wing saltbush, sacaton, annual and perennial forbs, coldenia, tobosa and yucca

RF	Os Upland a	and Biotic Standa	rd Ass	sess	ment Sun	nmary W	orks	heet	
		SITE 64050-N I	EVER	ET	T #1-F18	8			
Le	gal Land Desc	NENE 2 0080S 025 Meridian 23	0E			Acı	eage	2335	
	Ecosite	042CY004NM SAN SD-3	NDY			Photo T	`aken	Y	
	Watershed	13060003200 FIVE MILE							
	Observers	TRAUTNER & MC	GEE		O	bservation	Date	04/01	/2010
Coun	County Soil Survey NM644 CHAVES NORTH					Soil Var/T	'axad		
	Soil Map Unit	DsA			So	oil Taxon N	Vame	DON ANA	
	Texture Class	NM644 SL				Soil F	hase	DON ANA	
Te	xture Modifier	NM644 SANDY LO	DAM						
Observe	erved Avg Annual Precipitation			Observed Avg Growing Season Precipitation					
1	NOAA Annual Precipitation			NOAA Growing Season Precipitation					
NOA	A Avg Annual Precipitation			NO	OAA Avg (Growing Se Precipit			
Disturbanc	es and Animal Use:								
Part 2. Att	ributes and In	ndicators							
					e from Ecol on/Ecologic	_	ce Ar	eas	
Attribute	Indicators		Extre	me	Moderate to Extreme	Moderate		ht to lerate	None to Sligh
S H	Rills								X
Comments:	:						1		
SH	Water Flow I	Patterns							X
Comments:									
S H	Pedestals and	l/or Terracettes						X	
Comments:	some pedesta	ılling							
S H	Bare Ground							X	
Comments:	:								

S H	Gullies					X
Comments:				·		
S	Wind-scoured, Blowouts, and/or Deposition Areas			X		
Comments:	mesquite dune influence					
Н	Litter Movement			X		
Comments:	increase in litter movement around	l vegetatio	n			
S H B	Soil Surface Resistance to Erosion				X	
Comments:						
SHB	Soil Surface Loss or Degradation				X	
Comments:						
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff			X		
Comments:	increase in shrub component					
SHB	Compaction Layer					X
Comments:						
В	Functional/Structural Groups		X			
Comments:	a lot of mesquite, no desirable shru	ıbs and fev	w desirable	e grass spec	ies	
В	Plant Mortality/Decadence					X
Comments:						
НВ	Litter Amount			X		
Comments:	esd = 35-40%, actual is approx. 25	5%				
В	Annual Production					X
Comments:	about 900# /acre					
В	Invasive Plants		X			
Comments:						
В	Reproductive Capability of Perennial Plants					X
Comments:				·		
S	Physical/Chemical/Biological Crusts					X
Comments:	physical and biological crusts pres	ent				
В	Wildlife Habitat					X
Comments:						
В	Wildlife Populations					X

Comments:				
В	Special Status Species Habitat			
Comments:				
В	Special Status Species Populations			
Comments:				

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	1	4	5
H	Hydrologic	0	0	3	4	4
В	Biotic	0	2	1	2	6

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	1	9
Hydrologic		0	3	8
Biotic	This location is adjacent to a mesquite treatment and should have been treated at that time. Implementing a vegetation treatment on the mesquite at this site would be beneficial as the adjacent treatment was very effective at reducing the mesquite and increasing the amount of and variety of grass species.	2	1	8

Site Notes: Species dominated by burrograss and to a lesser extent black grama. Bush muhly is evident within the mesquite itself. No blue grama or dropseeds observed. Mesquite treatment is recommended. Site is adjacent to a vegetation treatment on mesquite that was very effective- had good recovery of perennial grasses within the treated area.

RFO	s Uplan	d and Biotic Standa	rd Asses	sment Sur	nma	ary W	orksheet		
		SITE 64050-S	EVERET	T #2-F18	9				
Legal La	and Desc	SESE 10 0080S 0250E Meridian 23		Acre	eage	1528			
	Ecosite	042CY007NM LOAMY SD-3		Photo Ta	ıken	Y			
W	atershed	13060003200 FIVE MILE							
О	bservers	TRAUTNER & MCGEE	Ol	oservation I	Date	04/01/	2010		
County Soi	l Survey	NM644 CHAVES NORTH		Soil Var/Ta	ıxad				
Soil N	Map Unit	HKD	Sc	oil Taxon Na	ame	HOLL	HOLLOMEX		
Textu	ıre Class	NM644 L		Soil Ph	nase	HOLLOMEX- GYPSUM LND- ALAMA			
Texture 1	Modifier	NM644 LOAM							
Obser Annual Prec	ved Avg cipitation			d Avg Grow on Precipitat					
	Annual cipitation		NOAA C	Frowing Sea Precipita					
NOAA Avg	g Annual cipitation			A Avg Grow on Precipitat	_				
Disturba Anii	nces and mal Use:								
Part 2. Attri	butes an	d Indicators							
				e from Ecol on/Ecologic	_		ce Areas		
Attribute	Indicator	s	Extreme	Moderate to Extreme	Mod	derate	Slight to Moderate	None to Slight	
SH	Rills							X	
Comments:									
SH	Water Flo	ow Patterns						X	
Comments:									
SH	Pedestals	and/or Terracettes					X		
Comments:	some ped	lestalling							
SH	Bare Gro	und						X	

Comments:				
SH	Gullies			X
Comments:				
S	Wind-scoured, Blowouts, and/or Deposition Areas		X	
Comments:	mesquite dunes - scattered			
Н	Litter Movement		X	
Comments:				
SHB	Soil Surface Resistance to Erosion			X
Comments:				
SHB	Soil Surface Loss or Degradation			X
Comments:				
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff		X	
Comments:	mesquite present			
SHB	Compaction Layer			X
Comments:				
В	Functional/Structural Groups		X	
Comments:	key shrubs missing			
В	Plant Mortality/Decadence			X
Comments:				
Н В	Litter Amount			X
Comments:				
В	Annual Production			X
Comments:				
В	Invasive Plants	X		
Comments:	heavy mesquite presence			
В	Reproductive Capability of Perennial Plants			X
Comments:				
S	Physical/Chemical/Biological Crusts			X
Comments:	biological and physical crust present			
В	Wildlife Habitat			X
Comments:				

В	Wildlife Populations			X
Comments:				
В	Special Status Species Habitat			
Comments:				
В	Special Status Species Populations			
Comments:				

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	2	8
Н	Hydrologic	0	0	0	3	8
В	Biotic	0	0	1	1	9

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	1	10

Site Notes: this location is dominated by tobosa, some black grama and burrograss; no other gramas or dropseeds observed. Scattered mesquite at this site, but noted heavy mesquite population in parts of the pasture as well as other areas of the pasture that had been treated in the past.

RFO	Os Uplano	l and Biotic Standar	rd As	ssess	sment Su	mmary V	Vorksheet	
		SITE 64050-S E	VER	RET	T #3-N01	2		
Legal	Land Desc	NWSW 12 0080S 0250 Meridian 23)E			Acreage		
	Ecosite	042CY017NM BOTTOMLAND SD-3	3		Photo Taken		Y	
	Watershed	13060003200 FIVE M	ILE					
	Observers	TRAUTNER & MCGE	EE		Observa	ation Date	09/02/2010	
County S	Soil Survey	NM644 CHAVES NORTH			Soil	Var/Taxad		
Soi	l Map Unit	GHA			Soil Ta	xon Name	GLENDAL	Æ
Te	xture Class	NM644 SIL				Soil Phase	GLENDAI HARKEY	E-
Textur	e Modifier	NM644 SILT LOAM						
Observed A	vg Annual recipitation			Ob	oserved Avg Season Pro			
NOAA Annual Precipitation			NOAA Growing Season Precipitation					
	vg Annual recipitation	NOAA Avg Growing Season Precipitation						
	bances and nimal Use:	No livestock use noted	at thi	s tin	ne, no trailií	ng indicate	d	
Part 2. Attı	ributes and	Indicators						
					e from Ecologic			
Attribute	Indicators		Extre	eme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
SH	Rills							X
Comments:								
S H	Water Flo	w Patterns						X
Comments:								
SH	Pedestals	and/or Terracettes						X
Comments:								
SH	Bare Grou	ınd						X
Comments:								
S H	Gullies							X

Comments:		
S	Wind-scoured, Blowouts, and/or Deposition Areas	X
Comments:		
Н	Litter Movement	X
Comments:		
SHB	Soil Surface Resistance to Erosion	X
Comments:		
SHB	Soil Surface Loss or Degradation	X
Comments:		
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff	X
Comments:		
SHB	Compaction Layer	X
Comments:		
В	Functional/Structural Groups	X
Comments:		
В	Plant Mortality/Decadence	X
Comments:		
НВ	Litter Amount	X
Comments:		
В	Annual Production	X
Comments:		
В	Invasive Plants X	
Comments:	Salt cedar and mesquite	
В	Reproductive Capability of Perennial Plants	X
Comments:		
S	Physical/Chemical/Biological Crusts	X
Comments:	physical crusts	
В	Wildlife Habitat	X
Comments:		
В	Wildlife Populations	X
Comments:		

В	Special Status Species Habitat			
Comments:				
В	Special Status Species Populations			
Comments:				

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	0	0	10
Н	Hydrologic	0	0	0	0	11
В	Biotic	0	0	0	1	10

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	0	10
Hydrologic		0	0	11
Biotic		0	0	11

Site Notes: Site is dominated by alkali sacaton and vine mesquite, some salt cedar along the river with scattered mesquite. Cattle use is heavy in the spring, but this area looks good in the fall. No change in management is recommended.

RFO	Os Uplano	d and Biotic Standar	d Asses	ssment Sur	nmary W	Vorksheet	
		SITE 64050-W	EVER	ETT-N011			
Legal	Land Desc	NENE 4 0080S 0250E Meridian 23			Acreage		
	Ecosite	042CY017NM BOTTOMLAND SD-3		Pho	oto Taken	Y	
	Watershed	13060005080 MACHO)				
	Observers	TRAUTNER & MCGE	EE	Observa	ation Date	04/01/2010	
County S	Soil Survey	NM644 CHAVES NORTH		Soil V	/ar/Taxad		
Soi	l Map Unit	GHA		Soil Tax	kon Name	GLENDAL	E
Te	xture Class	NM644 SIL		Ç	Soil Phase	GLENDAL HARKEY	E-
Textur	e Modifier	NM644 SILT LOAM					
Observed A Pr	vg Annual recipitation		О	bserved Avg Season Pre	_		
NOAA Annual Precipitation			NOAA Growing Season Precipitation				
	vg Annual ecipitation		NOAA Avg Gro Season Precipit				
	bances and nimal Use:						
Part 2. Attı	ibutes and	Indicators					
				re from Ecol tion/Ecologic			
Attribute	Indicators		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S H	Rills						X
Comments:							
SH	Water Flo	w Patterns					X
Comments:							
SH	Pedestals a	and/or Terracettes			X		
Comments:	pedestals of	occurring on the grasses	•				
SH	Bare Grou	ınd				X	
Comments:	esd= 15-20	0%, actual is estimated a	at 25%				
SH	Gullies						X

Comments:						
S	Wind-scoured, Blowouts, and/or Deposition Areas				X	
Comments:	deposition around mesquite and grass	ses		·		
Н	Litter Movement				X	
Comments:	litter in the innerspaces					
SHB	Soil Surface Resistance to Erosion					X
Comments:						
SHB	Soil Surface Loss or Degradation					X
Comments:						
Н	Plant Community Composition and Distribution Relative to Infiltration and Runoff				X	
Comments:	mesquite and saltcedar common					
SHB	Compaction Layer					X
Comments:						
В	Functional/Structural Groups		X			
Comments:	lack of desirable shrubs & giant sacat	on				
В	Plant Mortality/Decadence					X
Comments:						
Н В	Litter Amount			X		
Comments:	esd= 40-50%, actual is 20%					
В	Annual Production			X		
Comments:	esd is> 3000 lbs/acre, estimated to be	1500 lbs	/acre here			
В	Invasive Plants		X			
Comments:	mesquite and salt cedar					
В	Reproductive Capability of Perennial Plants					X
Comments:						
S	Physical/Chemical/Biological Crusts					X
Comments:	biological and physical crusts present					
В	Wildlife Habitat					X
Comments:						
В	Wildlife Populations					X
Comments:						

В	Special Status Species Habitat			
Comments:				
В	Special Status Species Populations			
Comments:				

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

Standard Attribute		Extreme	Moderate to Extreme	Moderate	Slight to Moderate	None to Slight
S	Soil	0	0	1	2	7
Н	Hydrologic	0	0	2	3	6
В	Biotic	0	2	2	0	7

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

Attribute	Rationale	Does Not Meet	May Need More Info	Meets
Soil		0	1	9
Hydrologic		0	2	9
Biotic	This site is heavily influenced by the amount of salt cedar and mesquite. These two invasive species have out-competed the native grasses, such as giant sacaton for the available soil moisture and this location reflects that. Livestock grazing does not appear to be a factor at this location.	2	2	7

Site Notes: A decrease in giant sacaton has occurred due to decrease in soil moisture, salt cedar is present but is stressed. One single giant sacaton in heavy woody litter (salt cedar), predominately alkali sacaton and small bunch grasses. This location is a mixture of a Bottomland SD-3 and a Sandy SD-3, and the vegetation reflects that. It leans more toward the Bottomland SD-3 features, but the major factor here is the level of salt cedar and its influence.

Determination of Public Land (Rangeland) Health for 64050 MILNER LAKE

The Record of Decision (ROD) for the New Mexico Standard for Public Land Health and Guidelines for Livestock Grazing management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, including Native, Threatened, Endangered, and Special Status Species Standard and (3) Riparian Sites Standard.

The ROD also established a process for the BLM Field Offices for implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these standards.

Field assessment worksheets and other available data that evaluate the local indicators were completed for this allotment. Based on these assessments, it is my determination that public land within Milner Lake, allotment 64050, meets the (1) Upland Sites Standard and (2) Biotic Communities, including Native, Threatened, Endangered, and Special Status Species Standard. There are no public land Riparian areas on this allotment, therefore this standard was not addressed.

/s/ J. Howard Parman Assistant Field Manager 09/24/2010

Date